


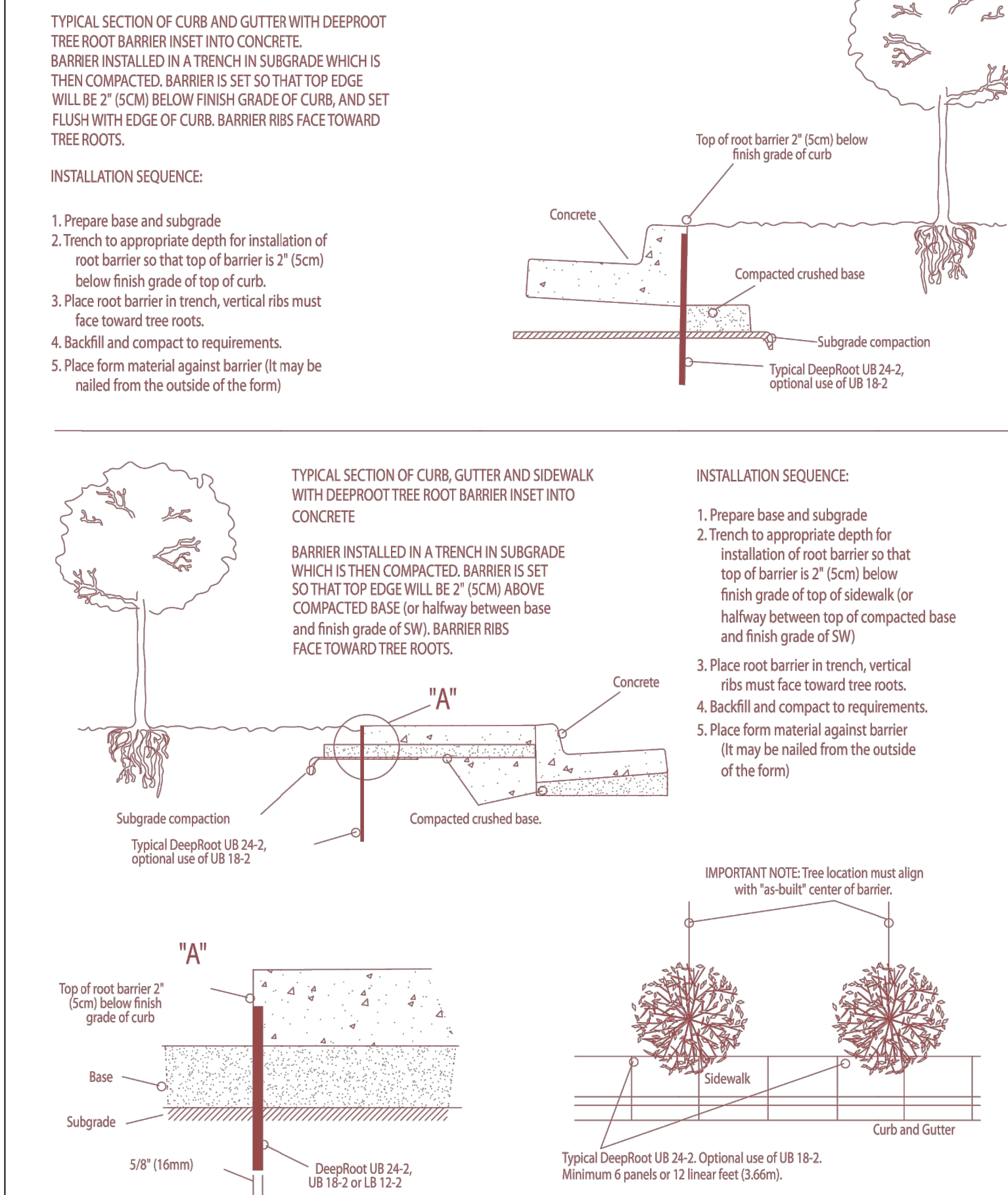


PLANT SCHEDULE

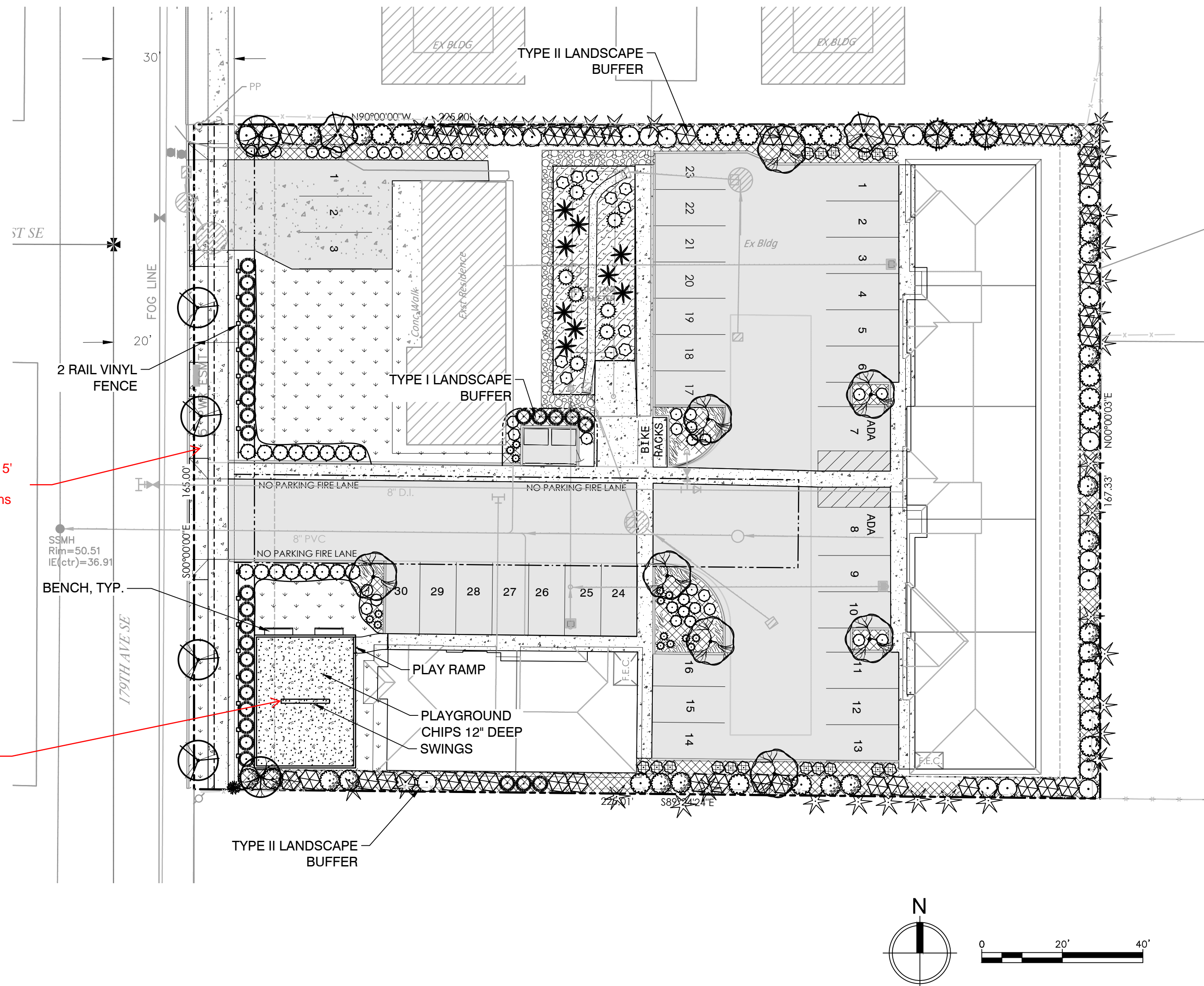
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	2	Acer rubrum 'Bowhall'	Bowhall Maple	2" Cal.	B&B	
	4	Amelanchier x grandiflora 'Cole's Select'	Serviceberry	2.5" Cal.	B&B	25' O.C.
	2	Cornus kousa 'Cherokee Princess'	Cherokee Princess Dogwood	2" Cal.	B&B	
	8	Pyrus calleryana 'Capital'	Capital Callery Pear	2" Cal.	B&B	
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	2	Chamaecyparis nootkatensis 'Pendula'	Weeping Nootka False Cypress	8" Ht.	B&B	
	30	Thuja occidentalis 'Fastigiata'	Pyramidal Arborvitae	6" HT	B&B	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	12	Azalea x 'Fragrant Star'	Fragrant Star Azalea	5 gal.	Pot	
	15	Berberis thunbergii 'Crimson Pygmy'	Crimson Pygmy Barberry	2 gal.	Pot	
	11	Cornus sericea 'Kelsey'	Kelsey Dwarf Redtwig Dogwood	2 gal.	Pot	
	9	Euonymus japonicus 'Microphyllus Variegatus'	Variegated Boxleaf Euonymus	2 gal.	Pot	
	13	Hydrangea quercifolia 'Snow Queen'	Snow Queen Oakleaf Hydrangea	5 gal.	Pot	
	19	Ilex crenata	Japanese Holly	5 gal.	Pot	
	7	Mahonia aquifolium	Oregon Grape	2 gal.	Pot	
	9	Miscanthus sinensis 'Morning Light'	Eulalia Grass	5 gal.	Pot	
	28	Nandina domestica 'Gulf Stream' TM	Gulf Stream Heavenly Bamboo	2 gal.	Pot	
	18	Pieris japonica 'Forest Flame'	Lily of the Valley Bush	5 gal.	Pot	
	17	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	2 gal.	Pot	
	16	Viburnum davidii	David Viburnum	2 gal.	Pot	

Linear Application of DeepRoot Tree Root Barriers at Time of Installing Concrete Sidewalks and Curbs



NW-1/4 OF NW-1/4 OF SEC 1, TWN 27N, RNG 6E, W.M.

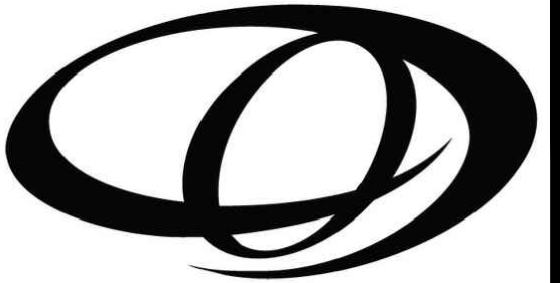
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	1,336	Arctostaphylos uva-ursi	Kinnikinnick	4"	Pot	18" o.c.
	274	Carex obnupta	Slough Sedge	4"	Pot	18" o.c.
	57	Nassella tenuissima 'Pony Tails'	Mexican Feathergrass	4"	Pot	18" o.c.
	3,052 sf	Turf Hydrosed	Hydrosed Sun/Shade Mix	seed		
SITE WORK	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	313 sf	WASHED RIVER GRAVEL		2-3"		



Planter strip to be 5' in width to match approved civil plans

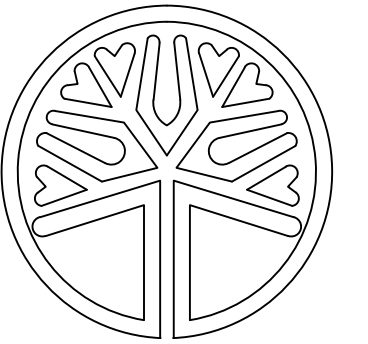
A separate building permit will be required for the play equipment

Provide root barrier for all street trees and trees planted within 8' of public walkways. 'Deep Root' root barrier or approved equal. Root barrier to be 16' in length and at least 18" deep adjacent to proposed curb and sidewalk with street trees centered along this length. Root barrier is to be installed adjacent to any fire hydrant, water meter or driveway approach if within 8' of a street tree.



ORIGIN
DESIGN GROUP

1031 185TH AVE NE
SNOHOMISH, WA 98290
TEL: 425.346.1905



STATE OF WASHINGTON
LICENSED
LANDSCAPE ARCHITECT
KRISTAL LOWE
LICENCE NO. 1206

REVISIONS	#	DESCRIPTION	DATE
1	1	CITY COMMENTS	7/23/20

179TH MIXED USE PROJECT
15125 179TH AVE SE
MONROE, WA 98272-1113

DRAWING TITLE:
LANDSCAPE PLAN

APPLICANT:

BELMARK LLC
12409 STATE AVE
MARYSVILLE, WA 98271

DRAWING INFORMATION

ODG PROJECT #: 20-302
DRAWN BY: MY
CHECKED BY: KL

DATE:

MAY 19, 2020

SHEET NO:

L-2
OF 5

APPROVED AS REDLINED

APPROVED BY PLANNING

Name: *A. Ban*

Date: *09/24/2020*

GENERAL NOTES

Topsail shall be provided in accordance to BMP T5.13 in WSDOE Stormwater Management Manual for Western Washington.

All rough grading shall be positive, draining away from all structures.

All stones larger than 1.5" diameter shall be removed from the growing medium.

All bed areas to receive 2" of fine ground fir or hemlock bark, composition mulches are not an acceptable alternative.

Trees and shrubs are to be planted at a depth 3/4" higher than the level that they were grown in the nursery.

Bark mulch is not to be placed above the root crown.

All plants shall at least conform to the minimum standard established by the American Association of Nurserymen.

Lawn areas are to be hydroseeded per manufacturer's specifications, or equivalent. Remove all stones larger than 1" from lawn areas. Hydroseed to be established with minimum one mowing before final approval.

Equivalent plant material substitutions may be allowed with prior approval by the Landscape Architect.

If the site work is different than shown on the Landscape Plan, or poor soils and debris are discovered, requiring changes to the Landscape Plan, contact the Landscape Architect for instruction.

The Landscape Contractor is responsible for maintaining the landscape during installation, until final acceptance by the owner's representative.

The Landscape Contractor shall warranty all materials and workmanship for a period of one year, from the time of final acceptance.

During the warranty period, the Landscape Contractor will not be responsible for plant death caused by unusual climatic conditions, vandalism, theft, fire, or poor maintenance practices. The Landscape Architect shall have sole authority to determine the cause of death.

IRRIGATION ASSESSMENT

MMC 22.46.110(B)
Permanent irrigation shall be required in all planting areas unless temporary irrigation is installed for a period of five years in conjunction with drought tolerant landscaping.

PARKING LOT LANDSCAPING

MMC 22.46.060(6)
1 TREE PER FOUR PARKING STALLS REQUIRED
30 PARKING STALLS PROVIDED / 4 = 8 TREES REQUIRED
8 TREES PROVIDED

MIXED USE DESIGN STANDARDS

SIDEWALKS PROVIDED TO PLAY AREA FROM BUILDING
BENCHES PROVIDED IN CHILD PLAY AREA
FRONTAGES LANDSCAPED WITH OPEN FENCING AND HEDGES

TREE RETENTION

Existing trees along the perimeter of the project are to be retained and protected during construction. Tree canopy, excluding that along the perimeter, is unable to be retained due to proposed construction of lots, roads and infrastructure.

TREE PROTECTION

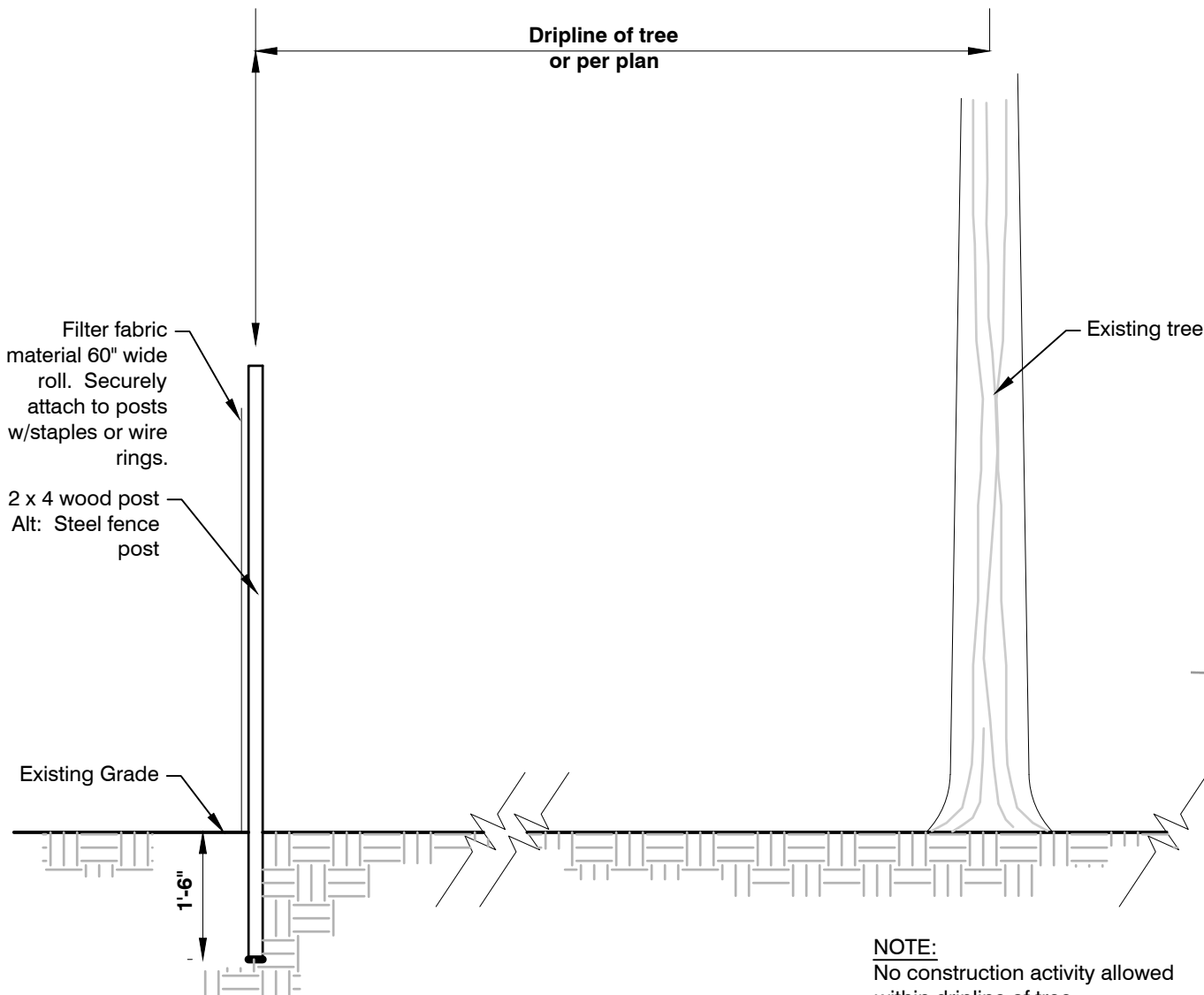
All vehicle traffic shall be routed away from significant trees during construction to avoid excessive soil compaction. Where vehicular traffic is required the soil shall be protected with a 10" layer of woodchips and/or plywood placed over the path of the vehicle. The woodchips may be removed when no longer needed.

All significant trees to be saved and/or retained shall be protected with a 5' high chainlink or plastic net fencing placed 5' beyond tree driplines during construction. The fencing shall not be removed without the authorization of the consulting arborist or site supervisor.

Trenching within tree driplines shall be avoided. Tunneling around primary tree roots is permitted when disturbance within driplines is necessary.

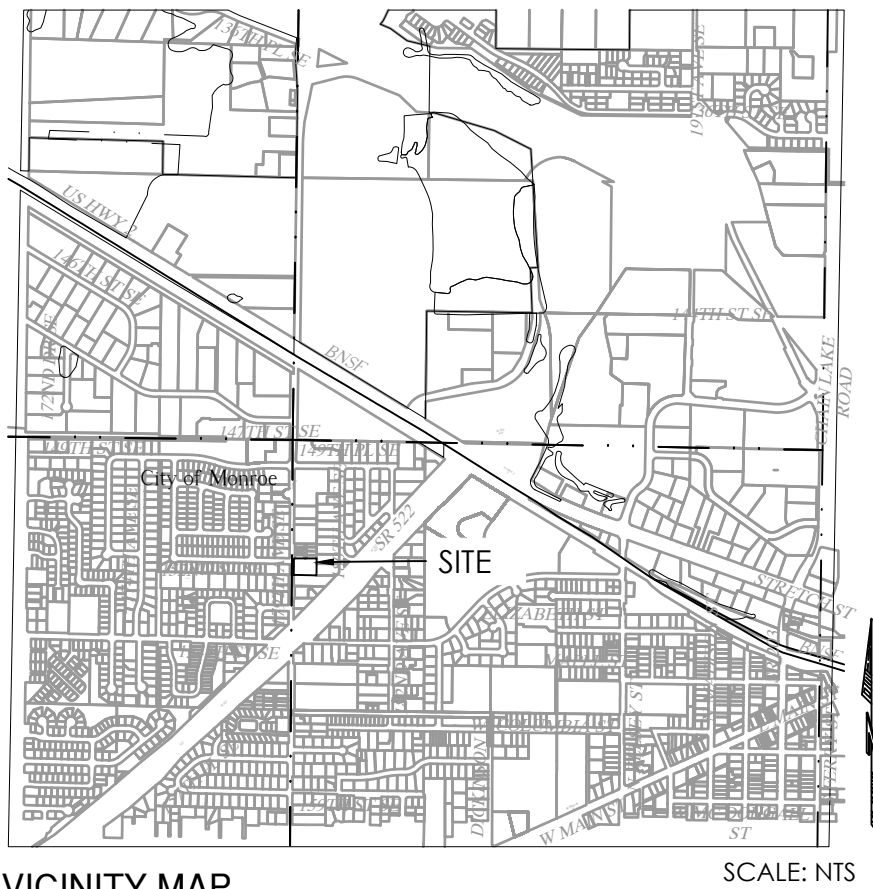
Stump pulling of all trees to be removed in the vicinity of significant trees to be retained shall be avoided. Stump grinding is permitted as necessary.

It may be necessary to provide supplemental irrigation during dry periods within the construction process, and mulching over the roots of any or all preserved trees.

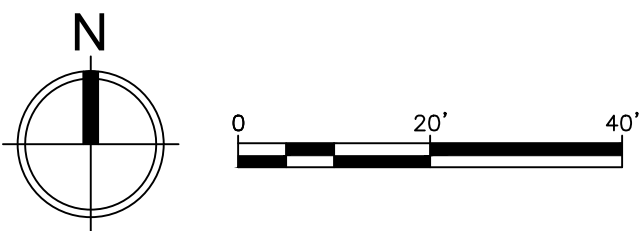
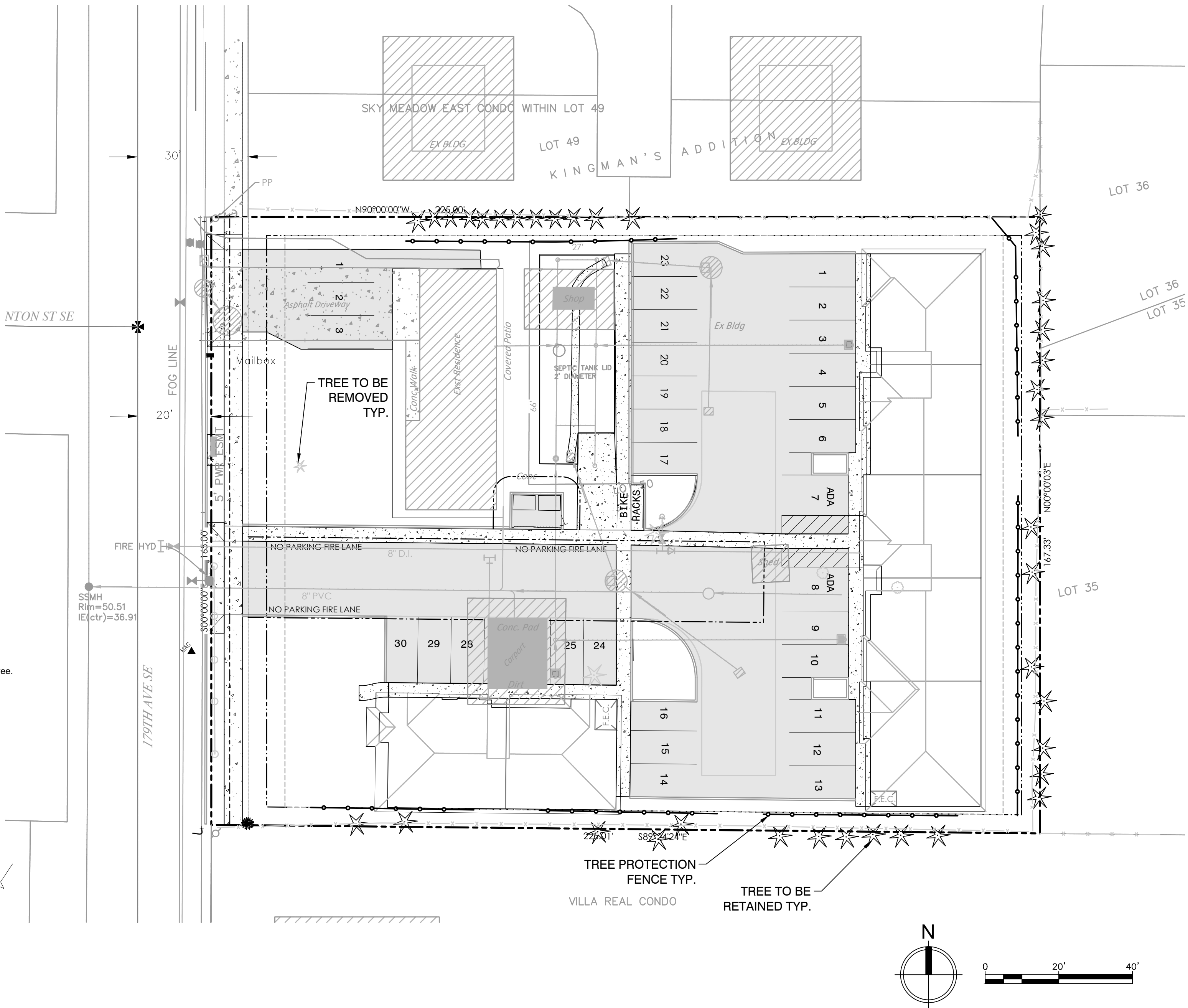


1 TREE PROTECTION FENCING
NTS

NW-1/4 OF NW-1/4 OF SEC 1, TWN 27N, RNG 6E, W.M.

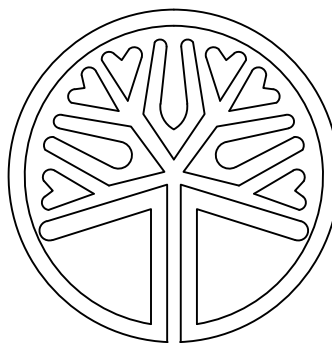


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09/16/2020
CITY OF MONROE



ORIGIN
DESIGN GROUP

1031 185TH AVE NE
SNOHOMISH, WA 98290
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STATE OF
WASHINGTON
LICENSED
LANDSCAPE ARCHITECT

KRYSTAL LOWE
LICENCE NO. 1206

REVISIONS

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APPLICANT:

BELMARK LLC
12409 STATE AVE
MARYSVILLE, WA 98271

DRAWING INFORMATION

ODG PROJECT #: 20-302
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CHECKED BY: KL

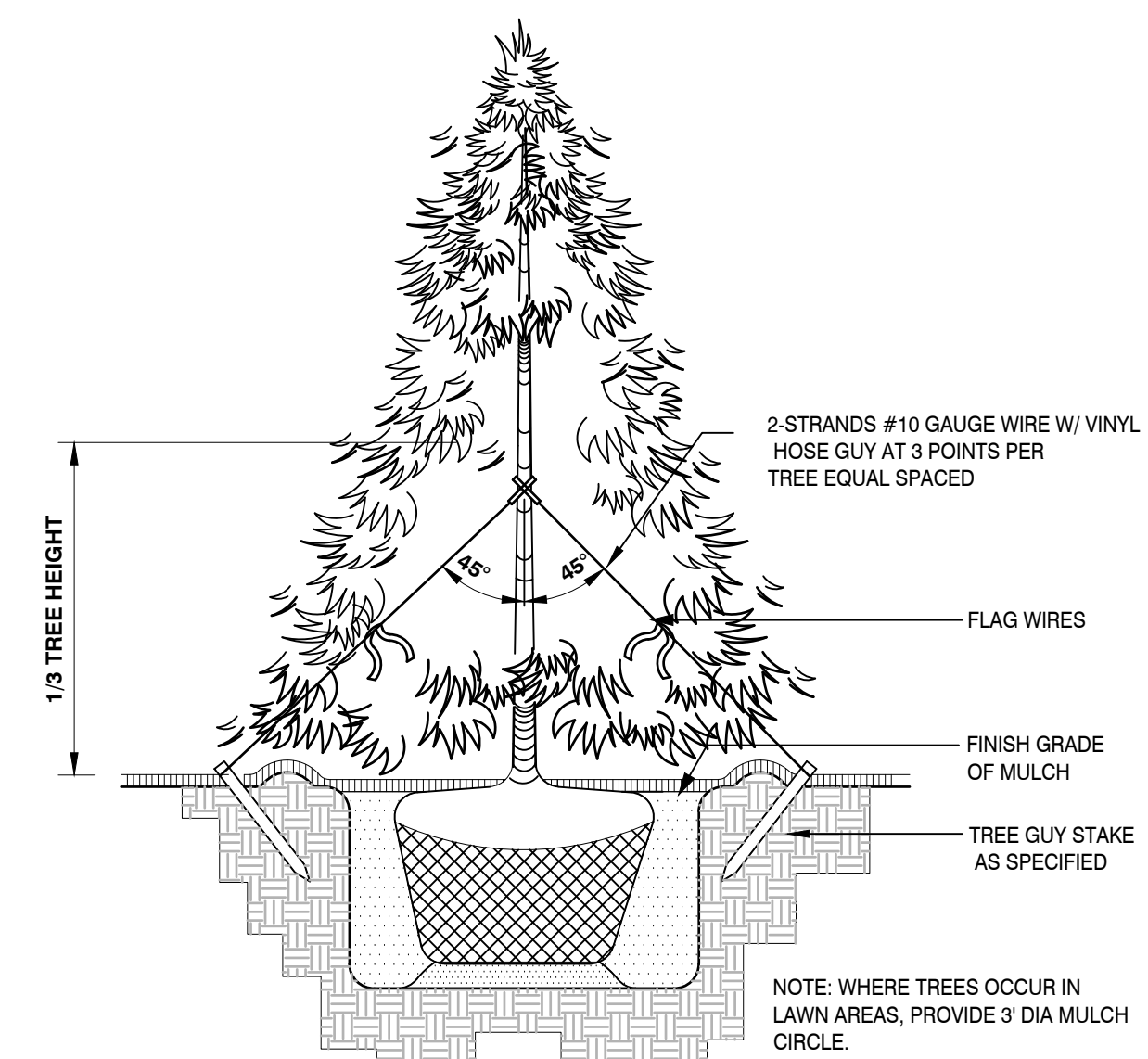
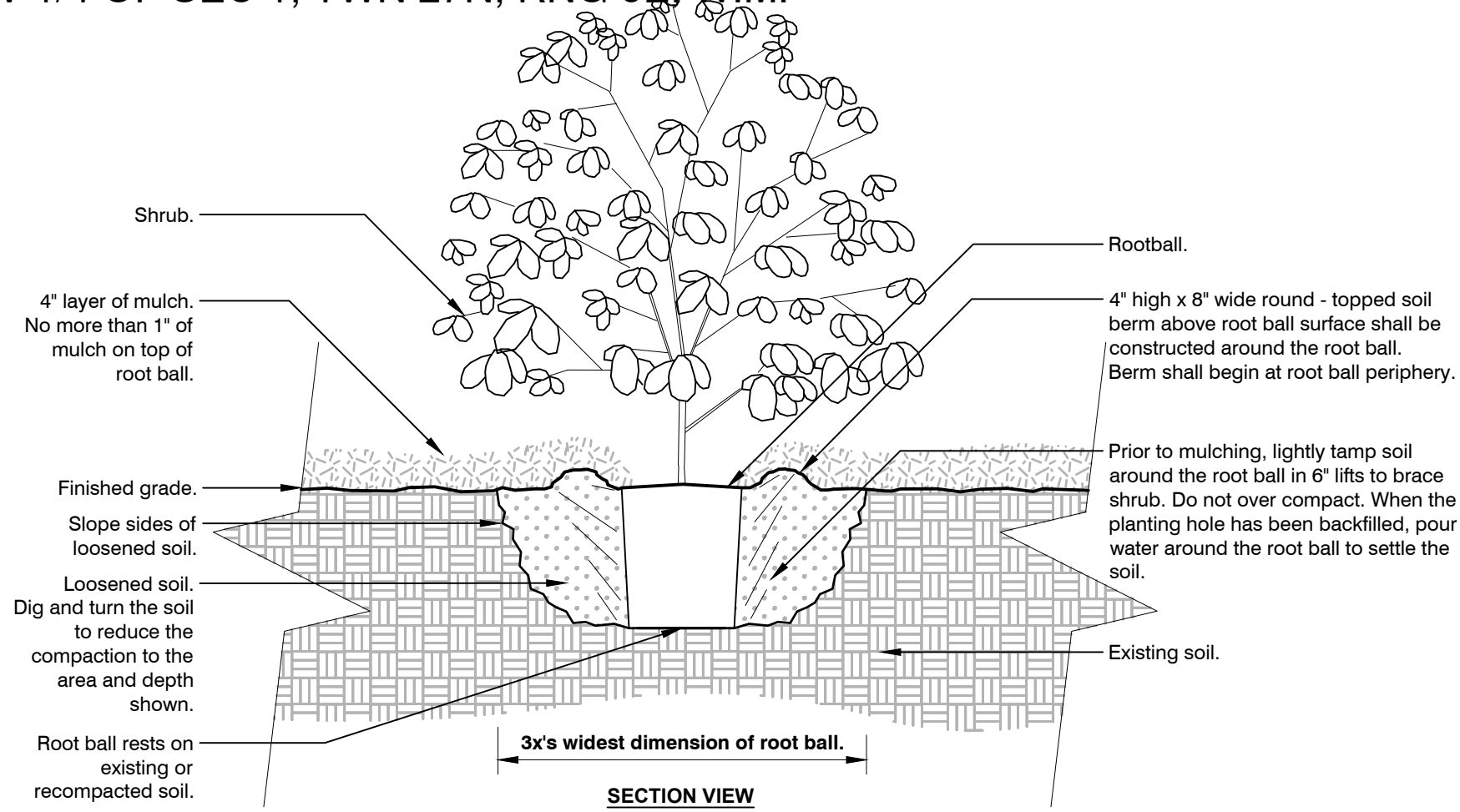
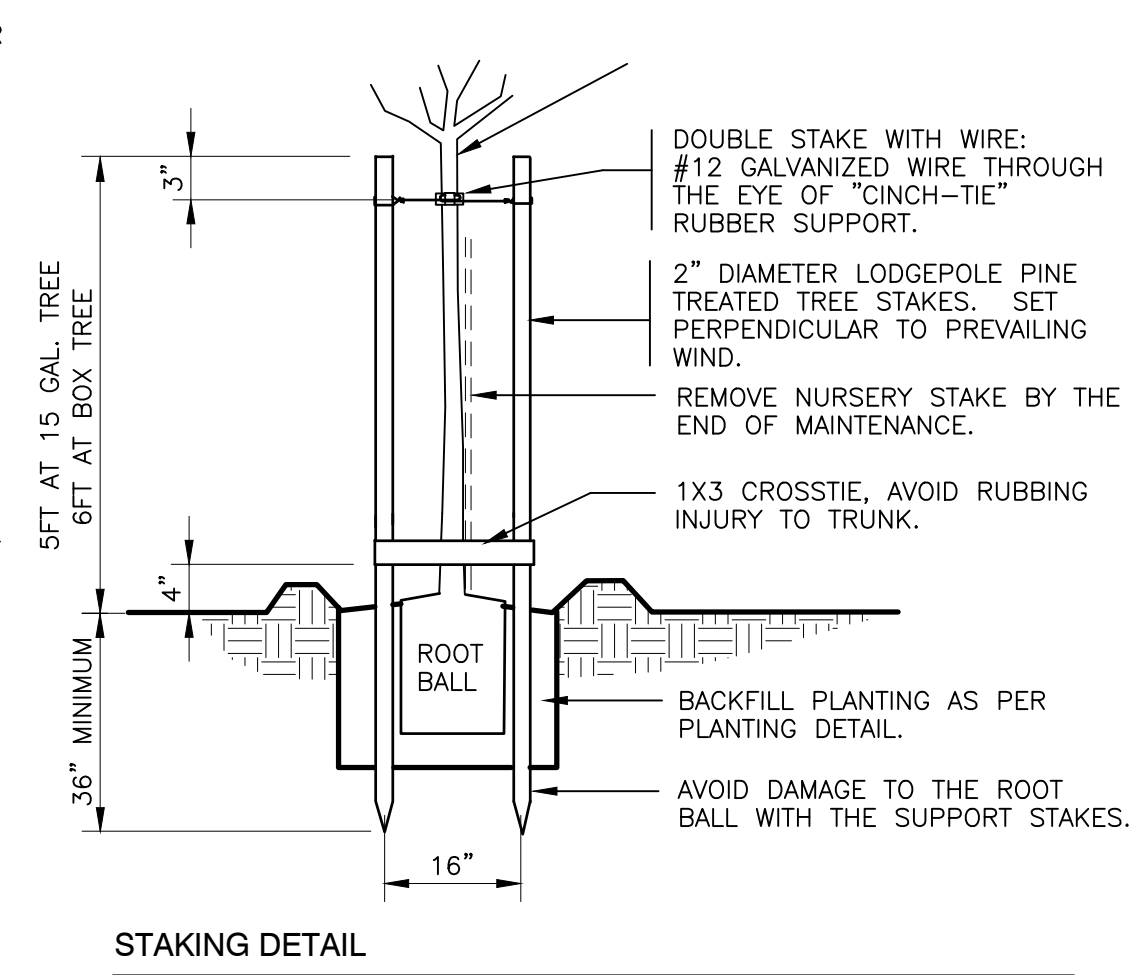
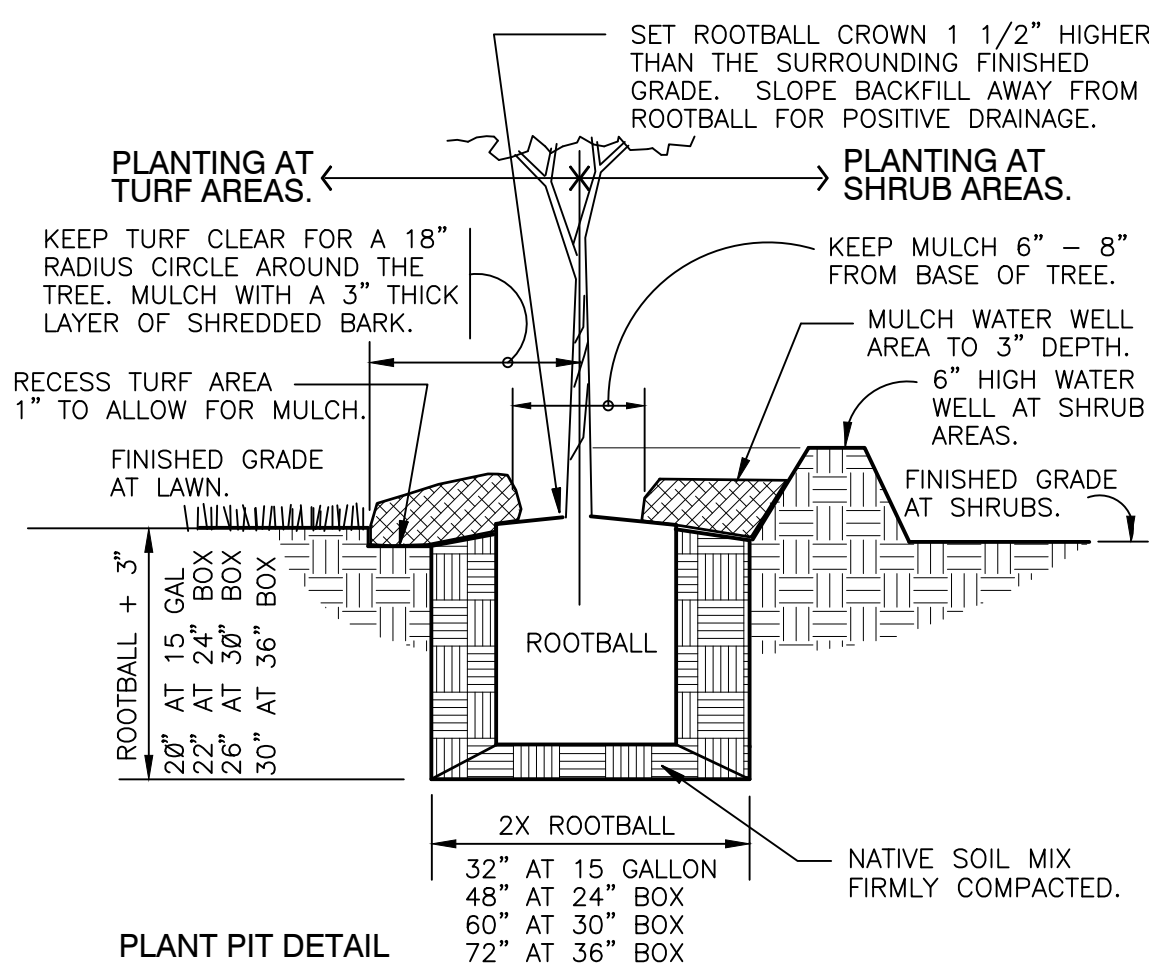
DATE:

MAY 19, 2020

SHEET NO:

L-1
OF 5

NW-1/4 OF NW-1/4 OF SEC 1, TWN 27N, RNG 6E, W.M.



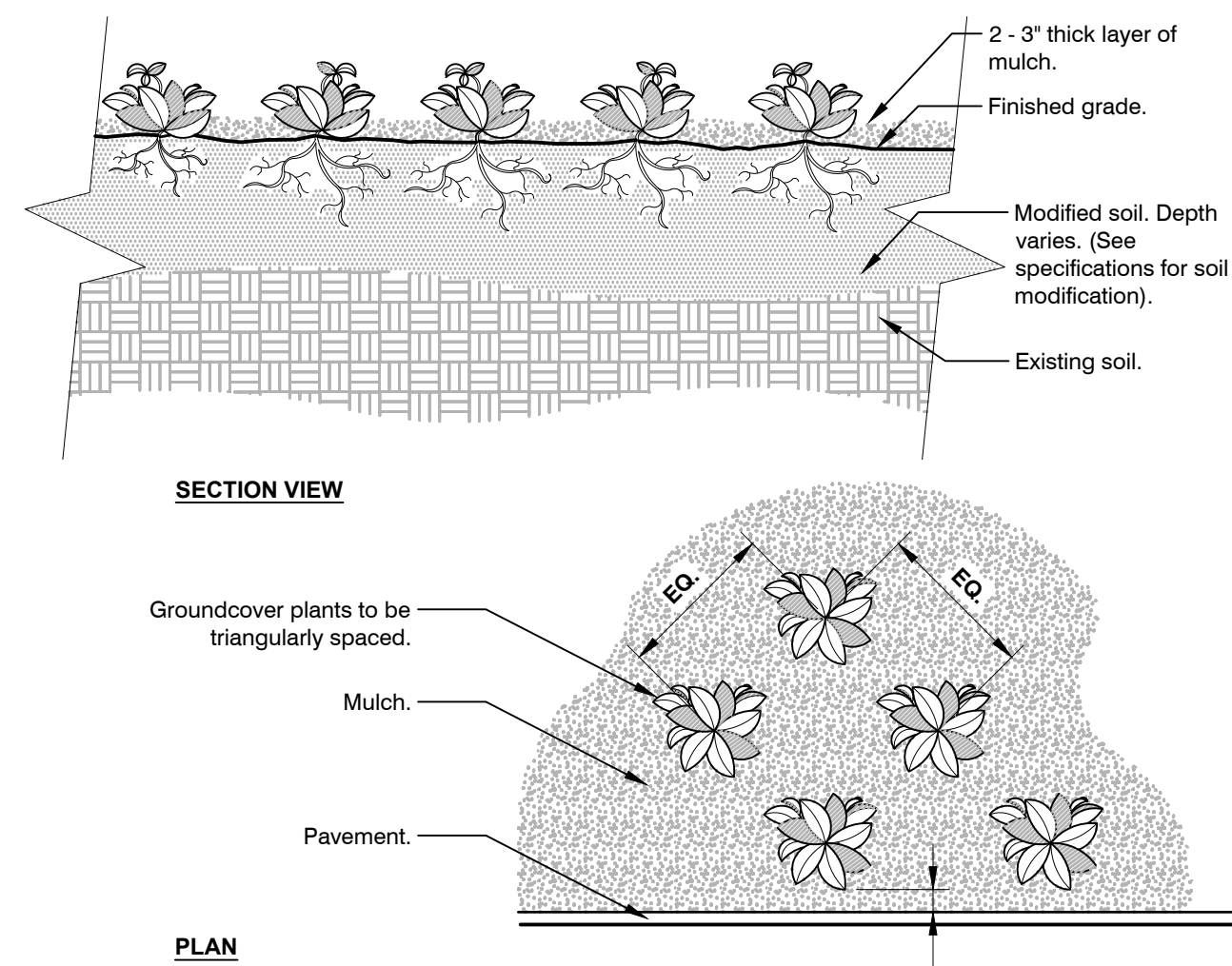
1 TREE DOUBLE STAKE PLANTING
1" = 1'-0"

FX-PL-FX-TREE-11

2 SHRUB - UNMODIFIED SOIL
3/4" = 1'-0"

URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
FX-PL-FX-SHRB-04

3 CONIFER TREE PLANTING & GUYING
1/2" = 1'-0"



Notes:
1- See planting legend for groundcover species, size, and spacing dimension.
2- Small roots (1/2" or less) that grow around, up, or down the root ball periphery are considered a normal condition in container production and are acceptable however they should be eliminated at the time of planting. Roots on the periphery can be removed at the time of planting.
3- Settle soil around root ball of each groundcover prior to mulching.

4 GROUNDCOVER
3/4" = 1'-0"



BENCH
QUANTITY: 2
PRODUCT CODE: SE-5165
PACIFIC OUTDOOR PRODUCTS
(425) 432-6000
OR EQUIVALENT

5 BENCH



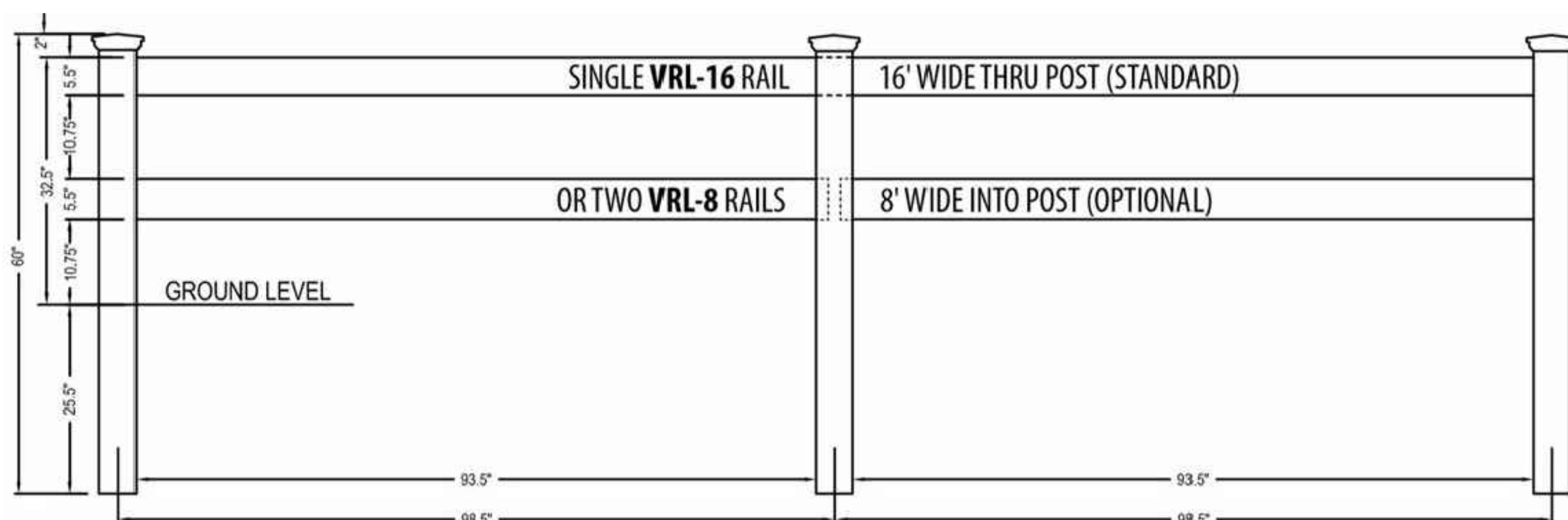
SWINGS
QUANTITY: 1
PRODUCT CODE: PE-2030
SAFE USE AREA: 24' X 32'
PACIFIC OUTDOOR PRODUCTS
(425) 432-6000
OR EQUIVALENT

6 SWINGS



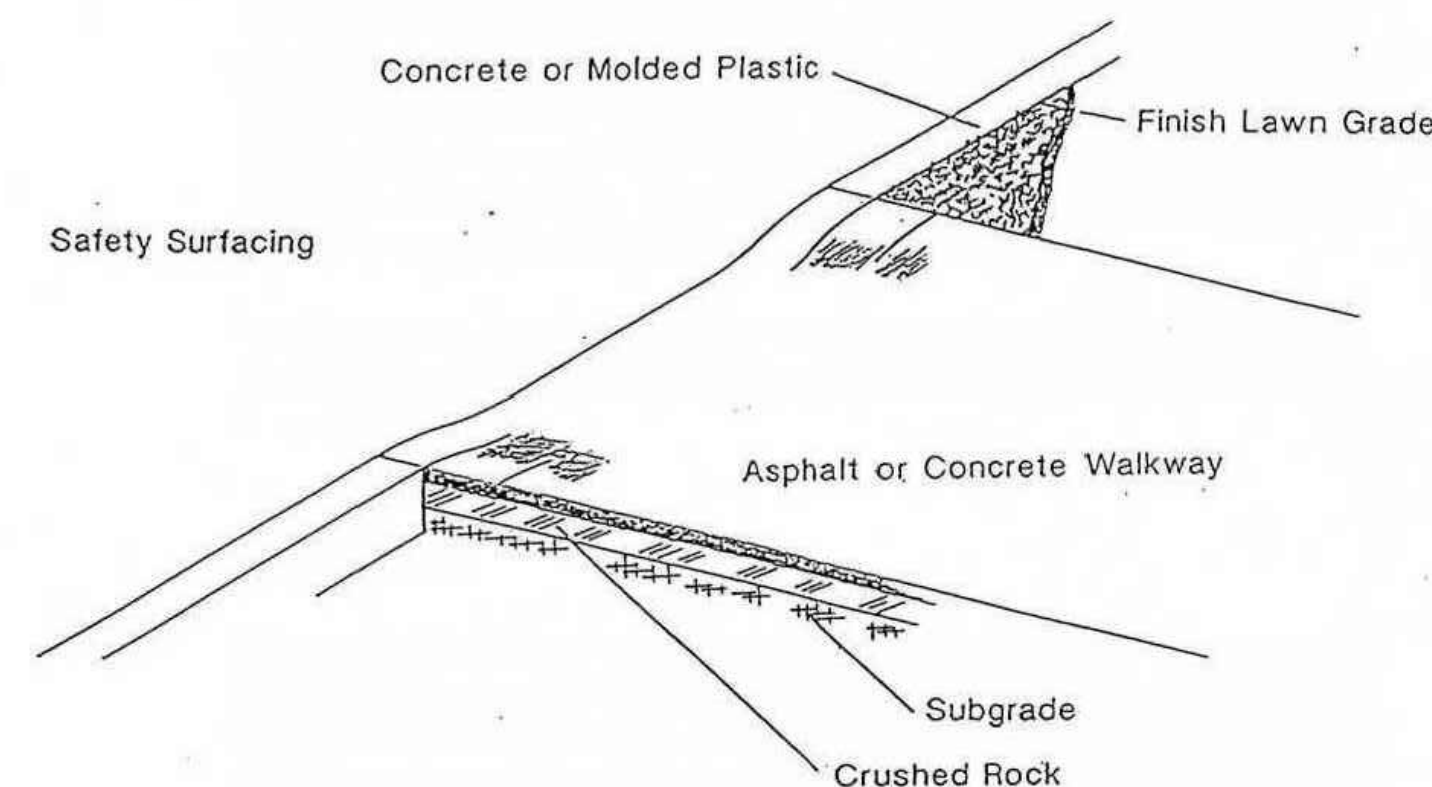
7 BIKE WAVE RACK
QUANTITY: 1
PRODUCT CODE: 543-1003
HIGHLAND PRODUCTS GROUP
(561) 620-7878 x4
OR EQUIVALENT

7 WAVE BIKE RACK

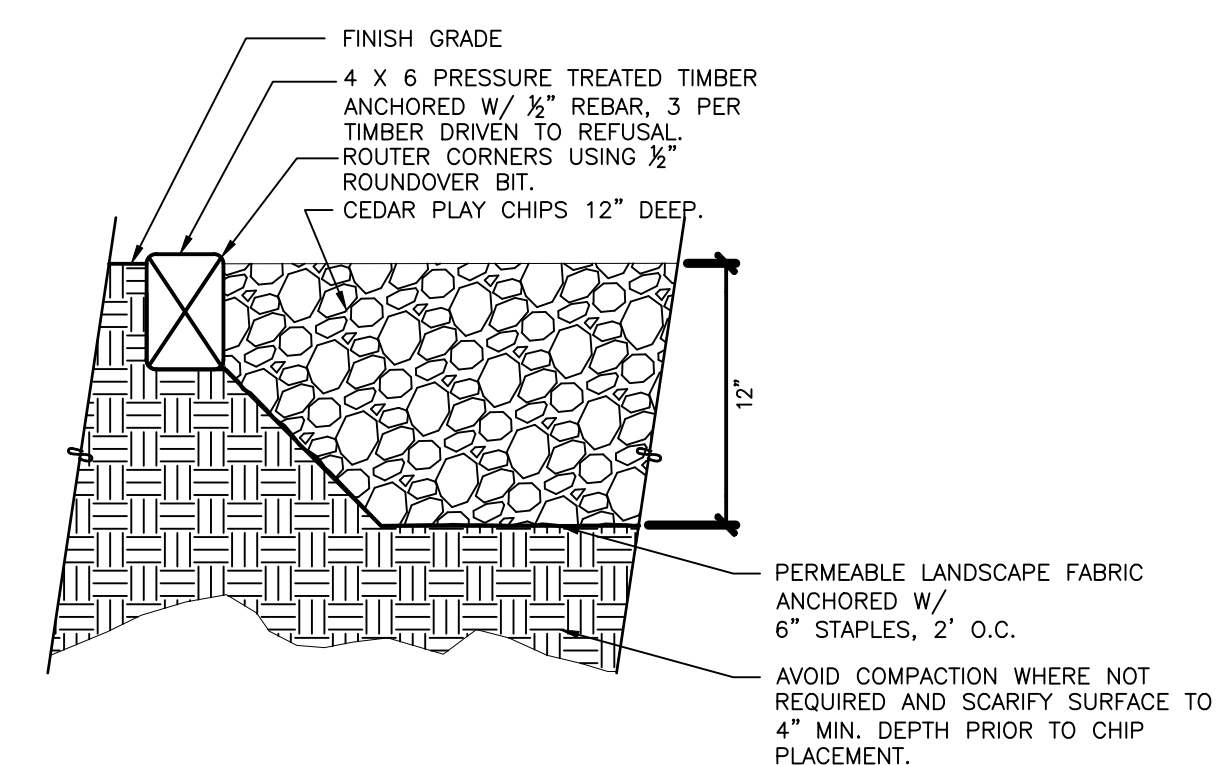


2-RAIL VINYL FENCE
ILLUSIONS VINYL FENCE
WWW.ILLUSIONSFENCE.COM
1 800-339-3362
OR EQUIVALENT

8 2 RAIL VINYL FENCE



9 PLAYCURB RAMP

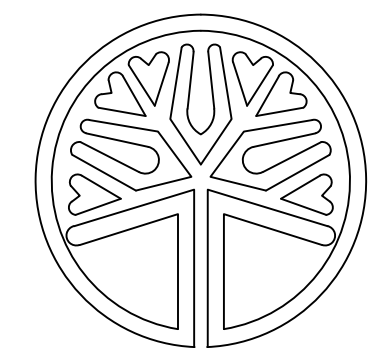


10 PLAY SURFACING
OR EQUIVALENT



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DESIGN GROUP

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MARYSVILLE, WA 98271

DRAWING INFORMATION
ODG PROJECT #: 20-302
DRAWN BY: MY
CHECKED BY: KL

DATE:
MAY 19, 2020

SHEET NO:
L-3
OF 5

IRRIGATION NOTES

IRRIGATION TRENCH DEPTHS, 18" FOR MAINLINE, 12" FOR LATERAL LINES. TRENCHES SHALL BE FREE OF ALL DEBRIS THAT CAN RESULT IN DAMAGE TO THE PIPING.

SET VALVE BOXES SQUARE TO ADJACENT BUILDINGS, WALKS OR PARKING.

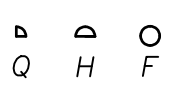

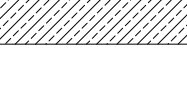
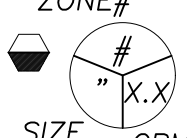
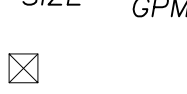
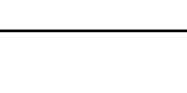
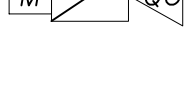
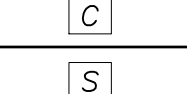
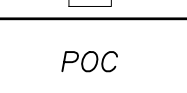
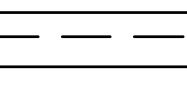



PLAN IS DIAGRAMMATIC. STANDARD TRADE PRACTICES TO BE EMPLOYED TO INSURE ECONOMY OF TRENCHING AND SLEEVING. EXACT LOCATION OF LINES AND HEADS MAY BE ALTERED BY CONTRACTOR TO PROVIDE BEST WATER COVERAGE.

OWNER TO PROVIDE DEDUCT/EXEMPT METER AS REQUIRED BY WATER PURVEYOR.

SWING JOINTS TO BE EITHER TRIPLE SWING JOINTS OR TORO FUNNY PIPE.

LEAVE A MINIMUM OF 3' OF ADDITIONAL CONTROL WIRE LOOPED AT EACH VALVE BOX. ATTACH CONTROL WIRES TO THE ADJACENT PIPING WITH ELECTRICAL TAPE. AT LEAST EVERY 20'. RUN 3 SPARE WIRES ALONG ENTIRE LENGTH OF MAINLINE, LOOP THROUGH EACH VALVE BOX TO FARTHEST VALVE BOX EACH DIRECTION.

IRRIGATION SCHEDULE

SYMBOL	TYPE	MANUFACTURER	DESCRIPTION
	SPRAY POP-UP LAWN	RAINBIRD	10 SERIES MPR - 30 PSI - 10' RADIUS. SST, CST, ES NOZZLE AS NEEDED TO PROVIDE HEAD TO HEAD COVERAGE OR APPROVED EQUAL.
	SPRAY POP-UP LAWN	RAINBIRD	15 SERIES MPR - 30 PSI - EST 4'X15', SST 4'X30' NOZZLE AS NEEDED TO PROVIDE HEAD TO HEAD COVERAGE OR APPROVED EQUAL.
	DRIPLINE AREA	RAINBIRD	DRIPLINE XFD-09-18 0.9 GPH EMITTERS AT 18" O.C. - OR APPROVED EQUAL
	AUTOMATIC CONTROL VALVE	RAINBIRD	100 PEB SERIES - WITH VALVE SIZE, GPM, AND HYDROZONE #
	VALVE BOX	AMTEK	STANDARD OR JUMBO AS NEEDED - OR APPROVED EQUAL.
	DRIP ZONE CONTROL KITS	RAINBIRD	XCZ-075-PRF CONTROL VALVE KIT FOR DRIP ZONE "d" INDICATES DRIP ZONE
	DOUBLE CHECK ASSEMBLY	METER DOUBLE CHECK ASSEMBLY QUICK COUPLER	RAINBIRD 3/4" INSTALL PER CITY STANDARDS. FEBCO 1 1/4" 825Y - OR APPROVED EQUAL. RAINBIRD 3RC W/ 33D KEY- OR APPROVED EQUAL.
	CONTROLLER	RAINBIRD	ESP-MC SERIES 12 STATIONS - OR APPROVED EQUAL.
	RAIN SENSOR	RAINBIRD	RSD-BEX WITH LATCHING BRACKET, EXTENSION WIRE
	POC		POINT OF CONNECTION-CONTRACTOR TO COORDINATE WITH CIVIL ENGINEER
	MAINLINE	RAINBIRD	1 1/2" SCHEDULE 40 PVC
	LATERAL LINE	RAINBIRD	CLASS 200 - SEE SCHEDULE OF PIPE SIZES.
	SLEEVING	RAINBIRD	SCHEDULE 40 - 2X'S DIAMETER OF PIPE.

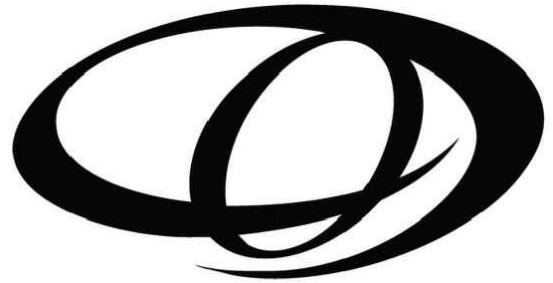
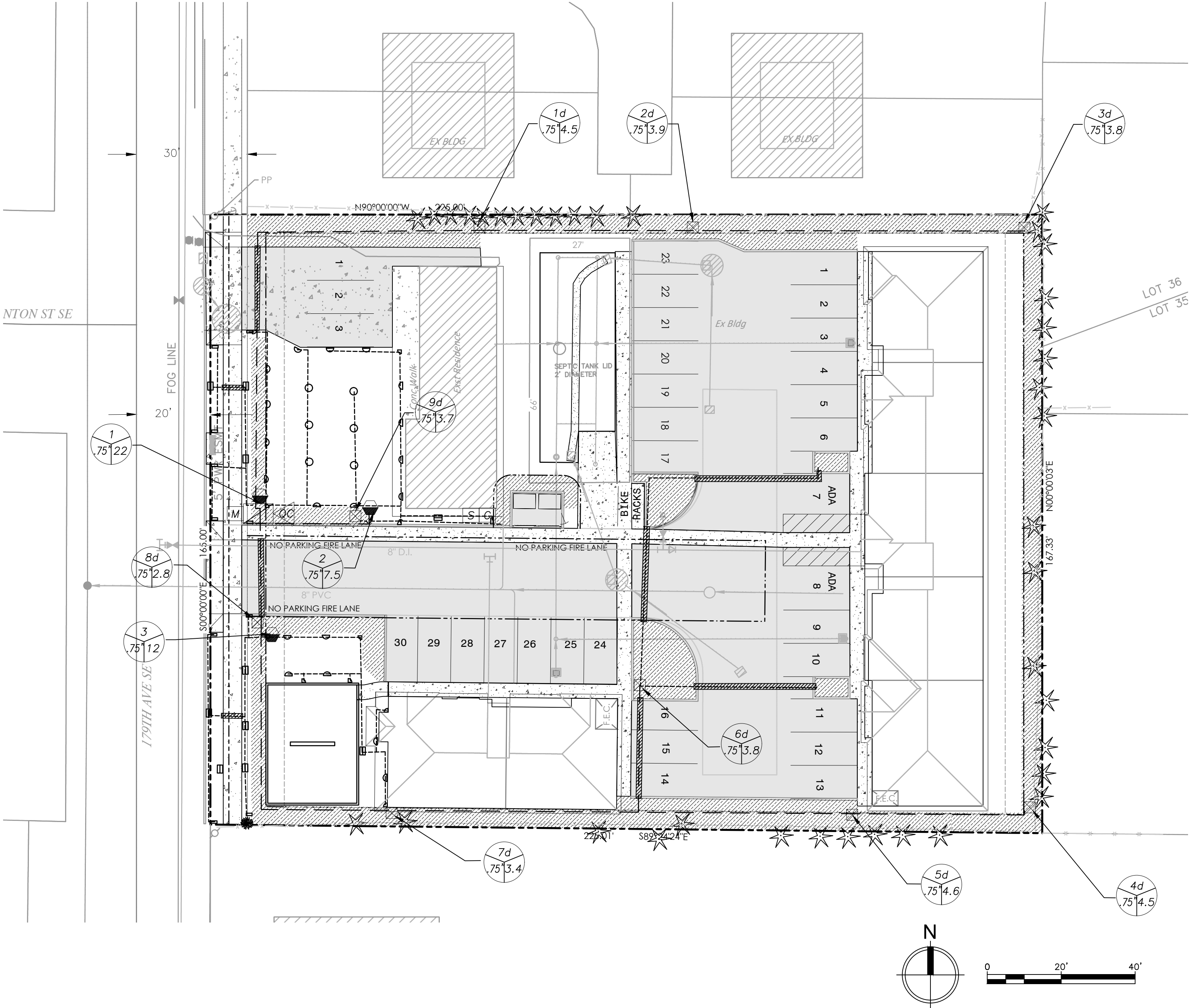
PIPE SIZES

GPM	PIPE SIZE
0-8	3/4"
9-15	1"
16-22	1 1/4"
23-35	1 1/2"
36-55	2"

NOTE

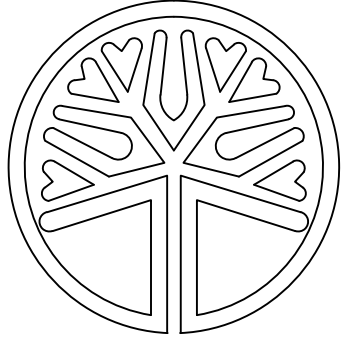
CONTROLLER LOCATIONS ARE REPRESENTATIVE ONLY AND SHOULD BE FIELD LOCATED. ALL CONTROLLERS SHALL BE HARDWIRED TO THE MAIN CONTROLLER.

NW-1/4 OF NW-1/4 OF SEC 1, TWN 27N, RNG 6E, W.M.



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MARYSVILLE, WA 98271

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CHECKED BY: KL

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MAY 19, 2020

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L-4
OF 5

APPROVED
BY PLANNING
Name: A. Ban
Date: 09/24/2020

Diagram illustrating the components and connections for a Remote Control Valve:

- SNAP-TITE WIRE CONNECTORS AND EXPANSION COILS, 10 WRAPS AROUND 1/2" PIPE
- DURABLE WEATHER RESISTANT PLASTIC VALVE BOX WITH EXTENSIONS AS NECESSARY
- INSTALL VALVE BOX 1/2" ABOVE FINISH GRADE IN TURF AND 2" IN SHRUB AREAS
- FINISH GRADE
- PEB SERIES ELECTRIC CONTROL VALVE (SIZE PER SPECIFICATIONS)
- PVC ELL
- 4" PEA GRAVEL BASE PROVIDE BRICKS AT CORNERS
- MAINLINE WITH PVC TEE OR ELL
- VALVE WIRE FROM CONTROLLER
- COMMON WIRE FROM ELECTRIC CONTROL VALVE AND ON TO NEXT VALVE

Diagram illustrating the installation of a Turf Pop-Up Spray Head. The components and dimensions shown are:

- FACE OF WALL
- FINISH GRADE
- SET HEAD FLUSH WITH FINISH GRADE
- TURF POP-UP SPRAY HEAD
- POLYETHYLENE RISER (LENGTH AS REQUIRED)
- PVC STREET ELL
- LATERAL LINE WITH PVC TEE OR ELL
- SCHEDULE 80 NIPPLE
- DOUBLE SWING JOINT - PVC STREET ELL AND PVC ELL
- 12" MIN.
- 3" min

The diagram shows a cross-section of the ground with a hatched pattern representing soil. A rectangular concrete or plastic valve box is installed at the surface. Inside the box, there is a pressure regulating filter (9) mounted on top of a remote control valve (8). The valve has a handle (7) extending outside the box. A lateral pipe (6) enters the box from the right and connects to the valve via a PVC Sch 40 female adaptor (5). A manifold pipe (12) runs horizontally below the valve, connected by a tee or ell fitting (10). From the manifold, three riser pipes (11) lead down into the ground, each ending in a waterbird emitter (4). The emitters are spaced apart. A standard valve box cover (2) sits on top of the box. The entire assembly is surrounded by washed gravel (10) to a depth of 3/4-inch.

- (1) FINISH GRADE
- (2) STANDARD VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- (3) WATERPROOF CONNECTION:
RAIN BIRD DB SERIES
- (4) VALVE ID TAG
- (5) 30-INCH LINEAR LENGTH OF WIRE,
COILED
- (6) PRESSURE REGULATING FILTER:
RAIN BIRD PRF-100-RBY (INCLUDED
IN XCZ-100-PRF KIT)
- (7) PVC SCH 40 FEMALE ADAPTOR
- (8) LATERAL PIPE
- (9) REMOTE CONTROL VALVE:
RAIN BIRD 100-DV (INCLUDED IN
XCZ-100-PRF KIT)
- (10) PVC SCH 40 TEE OR ELL TO MANIFOLD
- (11) 3-INCH MINIMUM DEPTH OF 3/4-INCH
WASHED GRAVEL
- (12) MANIFOLD PIPE AND FITTINGS

A perspective view of the rear side of the device 100. It shows three connectors labeled 12, 9, and 6, which are connected to a central component labeled 2.

- ① FINISH GRADE
- ② STANDARD VALVE BOX WITH COVER:
RAIN BIRD VB—STD
- ③ WATERPROOF CONNECTION:
RAIN BIRD DB SERIES
- ④ VALVE ID TAG
- ⑤ 30—INCH LINEAR LENGTH OF WIRE,
COILED
- ⑥ PRESSURE REGULATING FILTER:
RAIN BIRD PRF—100—RBY (INCLUDED
IN XCZ—100—PRF KIT)
- ⑦ PVC SCH 40 FEMALE ADAPTOR
- ⑧ LATERAL PIPE
- ⑨ REMOTE CONTROL VALVE:
RAIN BIRD 100—DV (INCLUDED IN
XCZ—100—PRF KIT)
- ⑩ PVC SCH 40 TEE OR ELL TO MANIFOLD
- ⑪ 3—INCH MINIMUM DEPTH OF 3/4—INCH
WASHED GRAVEL
- ⑫ MANIFOLD PIPE AND FITTINGS

- | | |
|---|---|
| 1 PVC EXHAUST HEADER | 8 PVC SUPPLY MANIFOLD |
| 2 PVC SCH 40 TEE OR EL (TYPICAL) | 9 CONNECTION FROM SUPPLY MANIFOLD TO
DRIPLINE (TYPICAL)—SEE INSERT A |
| 3 BARB X MLE FITTING (TYPICAL) | 10 ON-SURFACE DRIPLINE
RAIN BIRD XF SERIES DRIPLINE (TYPICAL) |
| 4 RAIN BIRD XFF-M4 FITTING (TYPICAL) | POTABLE: XFD DRIPLINE
NON-POTABLE: XFF DRIPLINE |
| 5 FLUSH POINT (TYPICAL) | 11 BARB X FEMALE FITTING |
| 6 SEE RAIN BIRD TYPICAL "XFD FLUSH POINT" | 12 RAIN BIRD XFD-TFA-075 FITTING |
| 7 PERIMETER OF AREA | 13 3/4" PVC NIPPLE, LENGTH AS NECESSARY |
| 8 PERIMETER DRIPLINE PIPE TO BE INSTALLED
2"-4" FROM PERIMETER OF AREA | |
| 9 PVC SUPPLY PIPE FROM RAIN BIRD CONTROL
ZONE KIT (F272) TO MFT | |

TO BE BASED ON
SEE INSTALLATION
(M) FOR SUGGESTED
ED THE MAXIMUM
RE OVER 50PSI, IT IS
LED ON EACH FITTING

	12" Spacing		18" Spacing		24" Spacing	
Inlet Pressure psi	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)
15	0.6	0.9	0.6	0.9	0.6	0.9
20	273	155	314	250	424	322
30	318	169	353	284	508	368
40	360	220	413	350	586	414
50	395	255	465	402	652	474
60	417	285	528	420	720	488
80	460	290	586	455	780	516

- ① MULCH
- ② FLUSH CAP FOR EASY FIT
COMPRESSION FITTING:
 POTABLE: RAIN BIRD MDCFPAC
 NON-POTABLE: RAIN BIRD MDCFFCAP
- ③ EASY FIT COUPLING:
 RAIN BIRD MDCFCOUPL
④ SUB-IRREDEAN EMITTER BOX:
 RAIN BIRD SEB 7/8"
 RAIN BIRD XF BLANK TUBING
- ⑤ FINISH GRADE
- ⑥ PVC EXHAUST HEADER
- ⑦ PVC SCH 40 TEE OR EL
- ⑧ BARE X MALE FITTING:
 RAIN BIRD XTF-MA FITTING (TYPICAL)
- ⑨ ON-SURFACE DRUPLINE:
 RAIN BIRD XF SERIES DRUPLINE
 POTABLE: XFD DRUPLINE
 NON-POTABLE: XTFDP DRUPLINE
- ⑩ 3-INCH MINIMUM DEPTH OF
 ¾" WASHED GRAVEL
- ⑪ BRICK (1 OF 2)

NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

- (1) PVC EXHAUST HEADER
- (2) PVC SCH 40 TEE OR EL (TYPICAL)
- (3) BARB X MALE FITTING:
RAIN BIRD XFF-MA FITTING (TYPICAL)
- (4) FLUSH PORT (TYPICAL)
- (5) POT RAIN BIRD DETAIL "XFD FLUSH PORT"
- (6) PERIMETER OF AREA
- (7) PERIMETER DRIPLINE PIPE TO BE INSTALLED
2" - 4" FROM PERIMETER OF AREA
- (7) ON-SURFACE DRIPLINE:
RAIN BIRD XFF SERIES DRIPLINE (TYPICAL)
POTABLE: XFD DRIPLINE
NON-POTABLE: XFD DRIPLINE
- (8) SUPPLY HEADLER
- (9) PVC DRIP MANIFOLD FROM RAIN BIRD CONTROL
ZONE VALVE KIT (SIZED TO MEET LATERAL
FLOW DEMAND)
- (10) PVC SCH 40 RISER PIPE

NOTES:

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

XFD Dripline Maximum Lateral Lengths (Feet)						
Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Normal Flow (gph)		Normal Flow (gph)		Normal Flow (gph)	
	0.6	0.9	0.6	0.9	0.6	0.9
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	526	420	720	488
60	460	290	566	455	780	516

Diagram illustrating the installation of a Rain Bird Model 3RC valve box. The components and their connections are labeled as follows:

- FINISH GRADE/TOP OF MULCH
- QUICK-COUPLING VALVE: RAIN BIRD MODEL 3RC
- VALVE BOX WITH COVER: RAIN BIRD VB-6RND
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- PVC SCH 40 STREET ELL
- BRICK (1 OF 2)
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- PVC SCH 40 STREET ELL
- PVC SCH 40 TEE OR ELL
- PVC MAINLINE PIPE
- PVC SCH 40 ELL
- 2" x 2" REDWOOD STAKE WITH STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

NOTE:
FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO
NOMINAL QUICK COUPLING VALVE INLET SIZE.

- ① EAVE OF BUILDING
- ② RAIN SENSOR: RAIN BIRD RSD-BEX
- ③ WIRE TO IRRIGATION CONTROLLER
- ④ PLASTIC TIE DOWN STRAP
- ⑤ MOUNTING BRACKET
- ⑥ SECURE WIRE WITH CABLE TIE BRACKET (1 OF 2)

APPROVED
BY PLANNING

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Date: 09/24/2020

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